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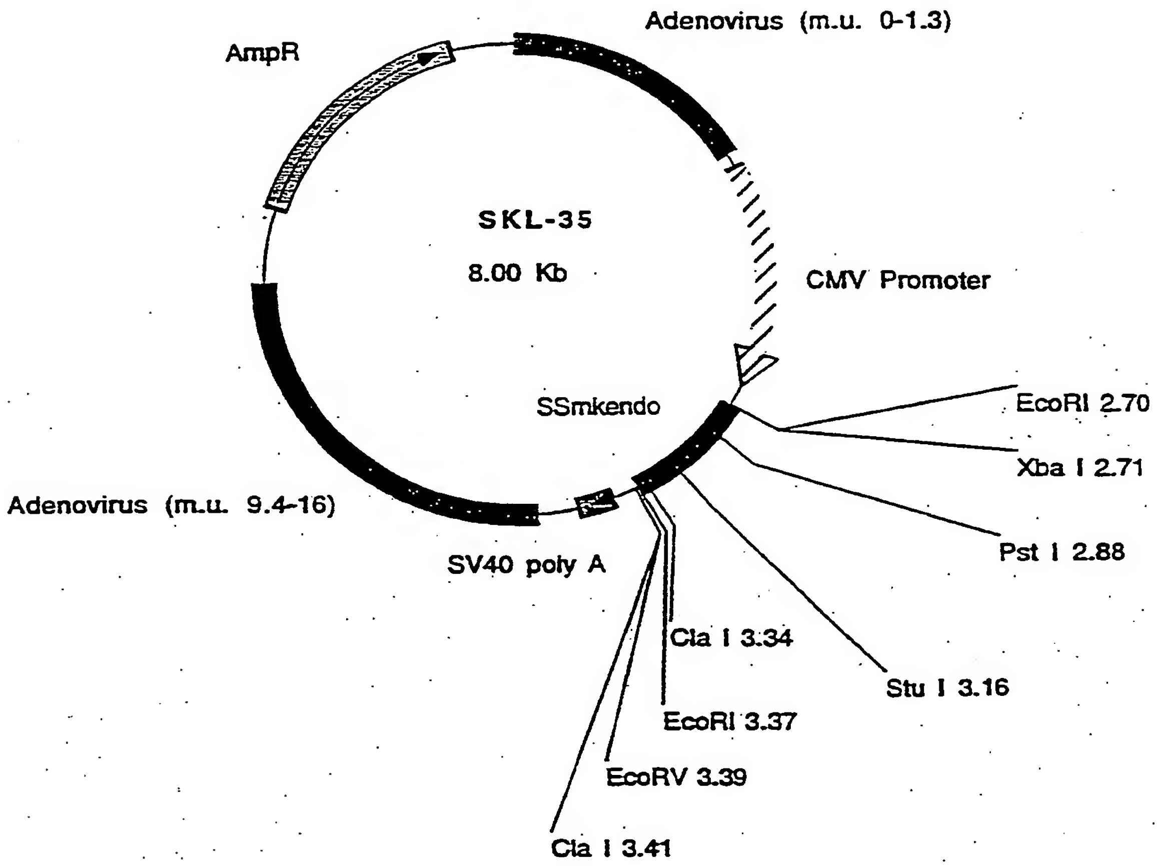
FIG. 1


Adenovirus (m.u. 0-1.3)
AmpR
SKL-35
8.00 Kb
CMV Promoter
SSmkendo
EcoRI 2.70
Xba I 2.71
Pst I 2.88
Adenovirus (m.u. 9.4-16)
SV40 poly A
Cla I 3.34
Stu I 3.16
EcoRI 3.37
EcoRV 3.39
Cla I 3.41

Plasmid name: SKL-35
Plasmid size: 8.00 kb
Constructed by: Steven K. Libutti
Construction date: 7/14/98
Comments/References: Constructed from pSSmendo-6 (murine endostatin with Kozack and E19 signal sequence) and pAdCMV. Cannot use Stu I to linearize as it will cut in the endostatin cDNA. Murine endostatin can be cut out with EcoRI.

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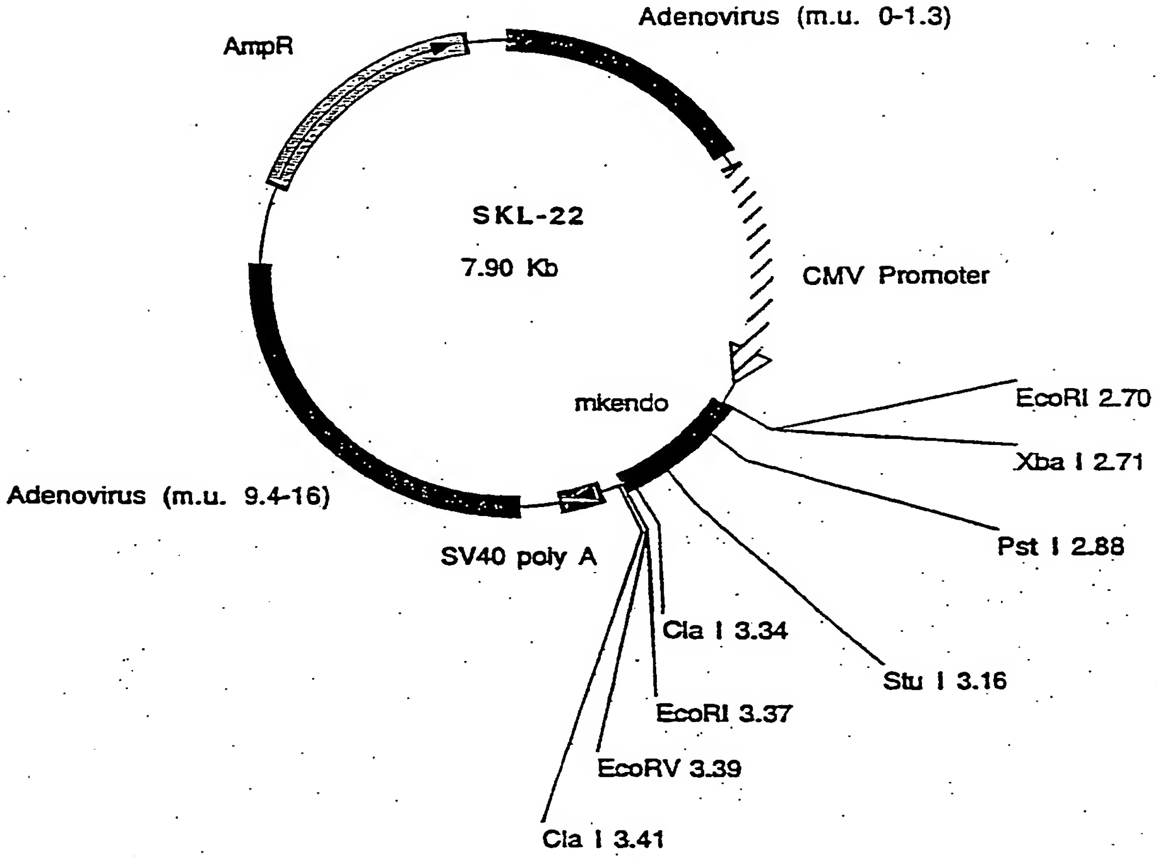
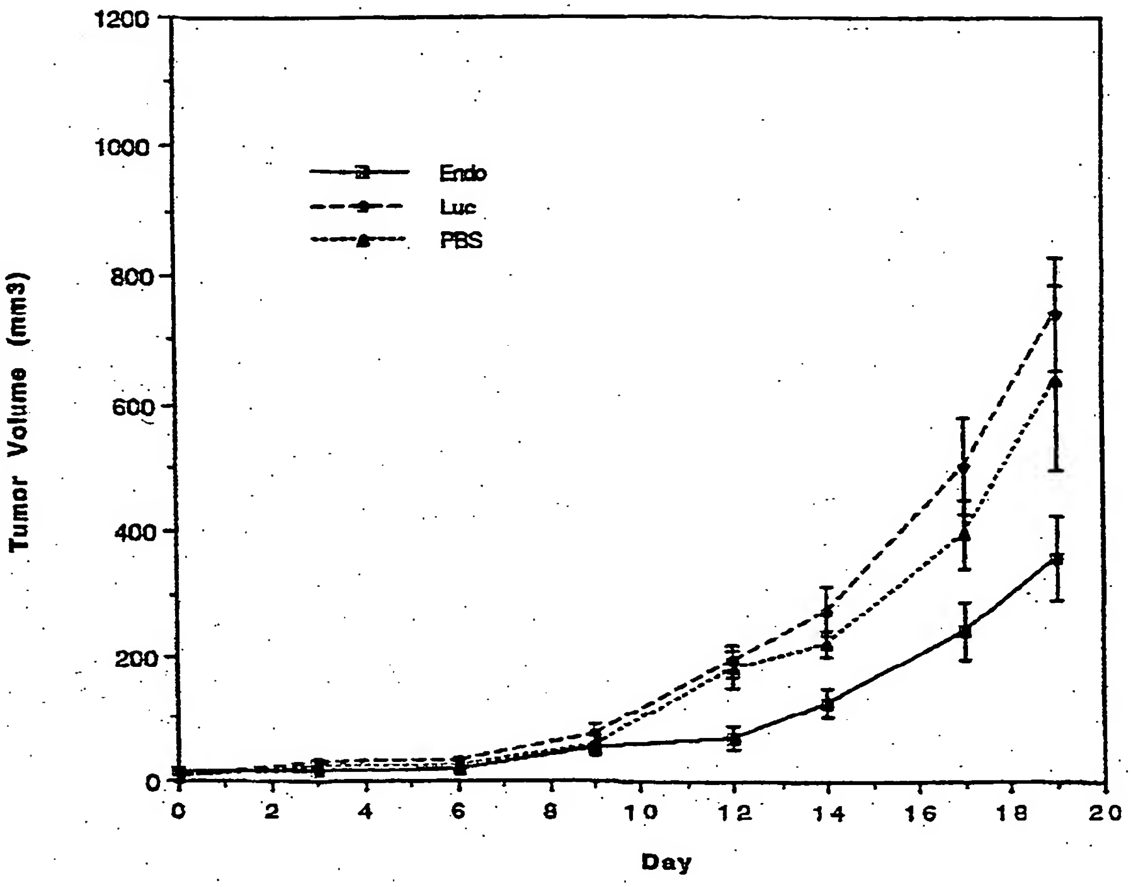
FIG. 2


Adenovirus (m.u. 0-1.3)
AmpR
SKL-22
7.90 Kb
CMV Promoter
mkendo
EcoRI 2.70
Xba I 2.71
Pst I 2.88
Adenovirus (m.u. 9.4-16)
SV40 poly A
Cla I 3.34
Stu I 3.16
EcoRI 3.37
EcoRV 3.39
Cla I 3.41

Plasmid name: SKL-22
Plasmid size: 7.90 kb
Constructed by: Steven K. Libutti
Construction date: 7/8/98
Comments/References: Constructed from pkmendo-2 (murine endostatin with Kozack) and pAdCMV. Cannot use Stu I to linearize as it will cut in the endostatin cDNA. Murine endostatin can be cut out with EcoRI.

FIG. 3



Tumor Volume (mm3)
0
200
400
600
800
1000
1200
Endo
Luc
PBS
Day
0
2
4
6
8
10
12
14
16
18
20

FIG. 4

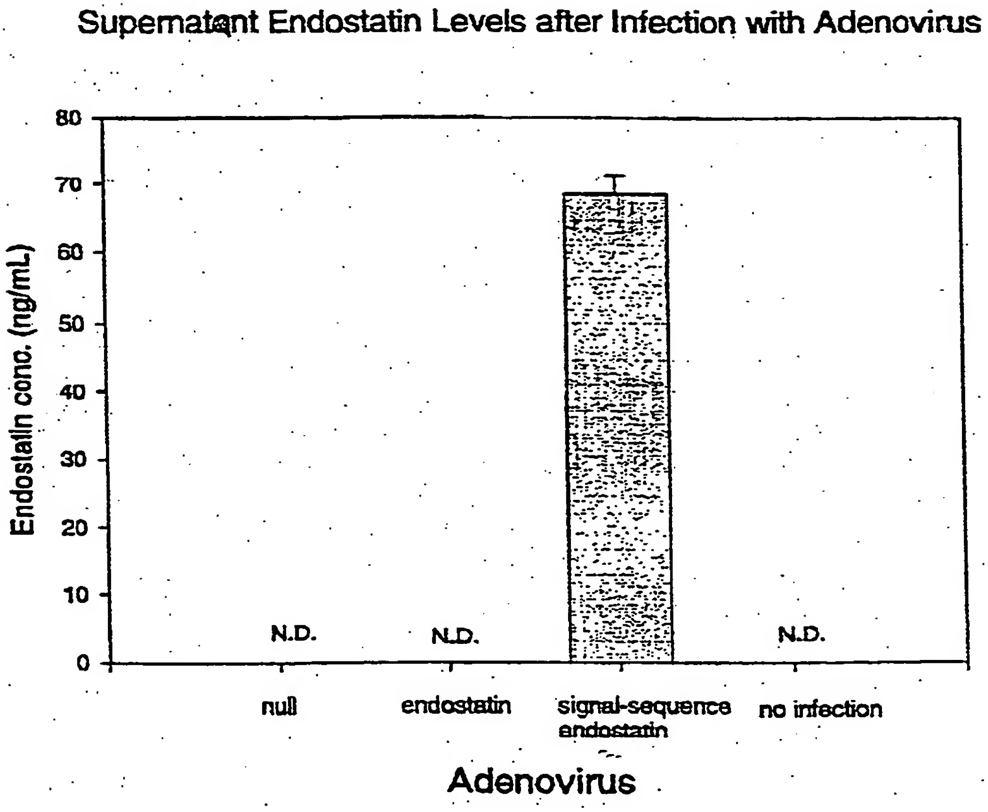

Supernatant Endostatin Levels after Infection with Adenovirus
Endostatin conc. (ng/mL)
0
10
20
30
40
50
60
70
80
N.D.
N.D.
N.D.
null
endostatin
signal-sequence endostatin
no infection
Adenovirus

FIG. 5

Supernatant Endostatin Levels after Adenoviral Infection of 293 Cells (MOI=100. mean of three 3.5 cm wells)

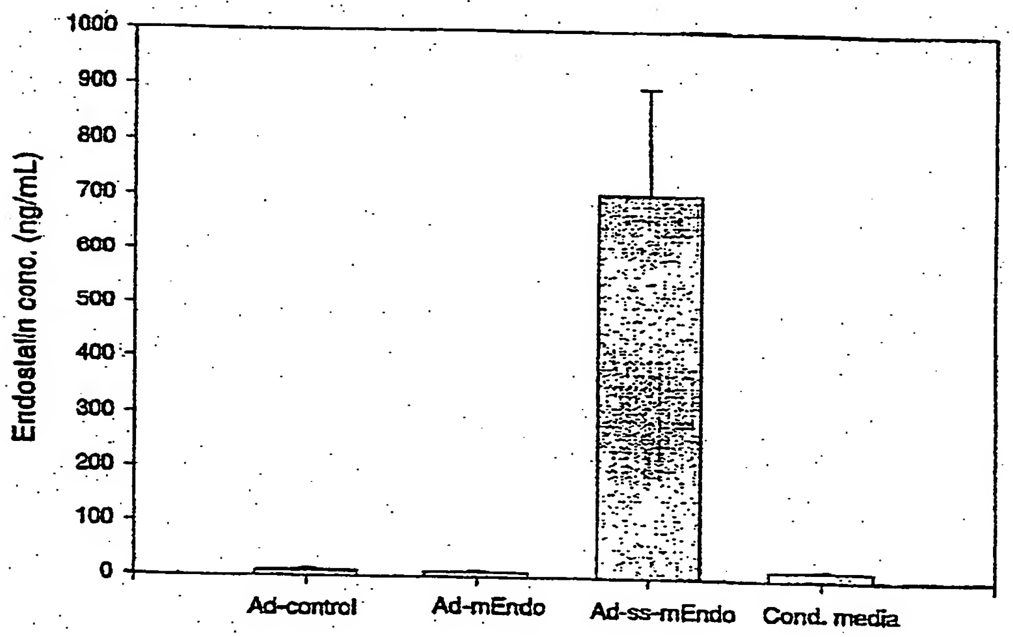
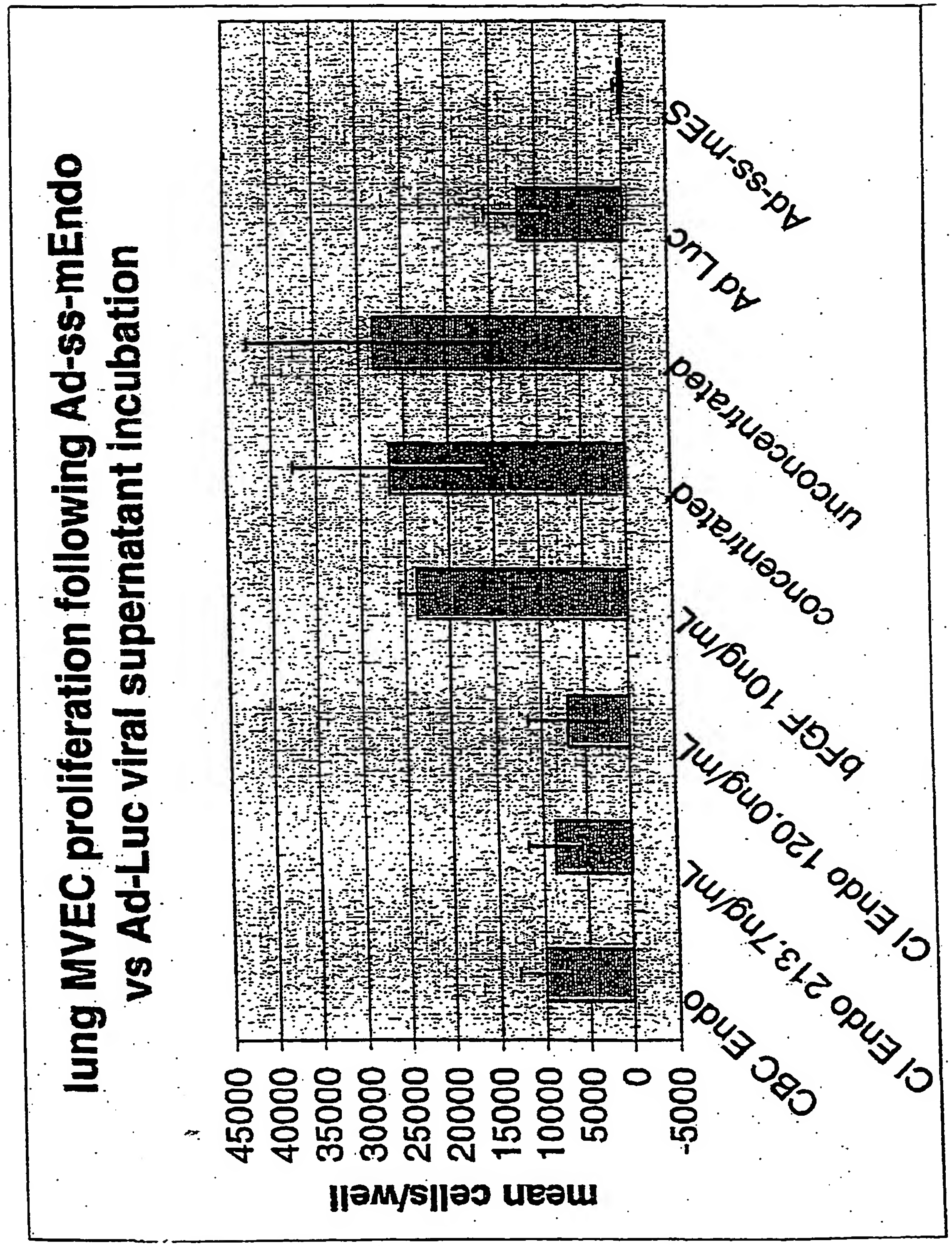
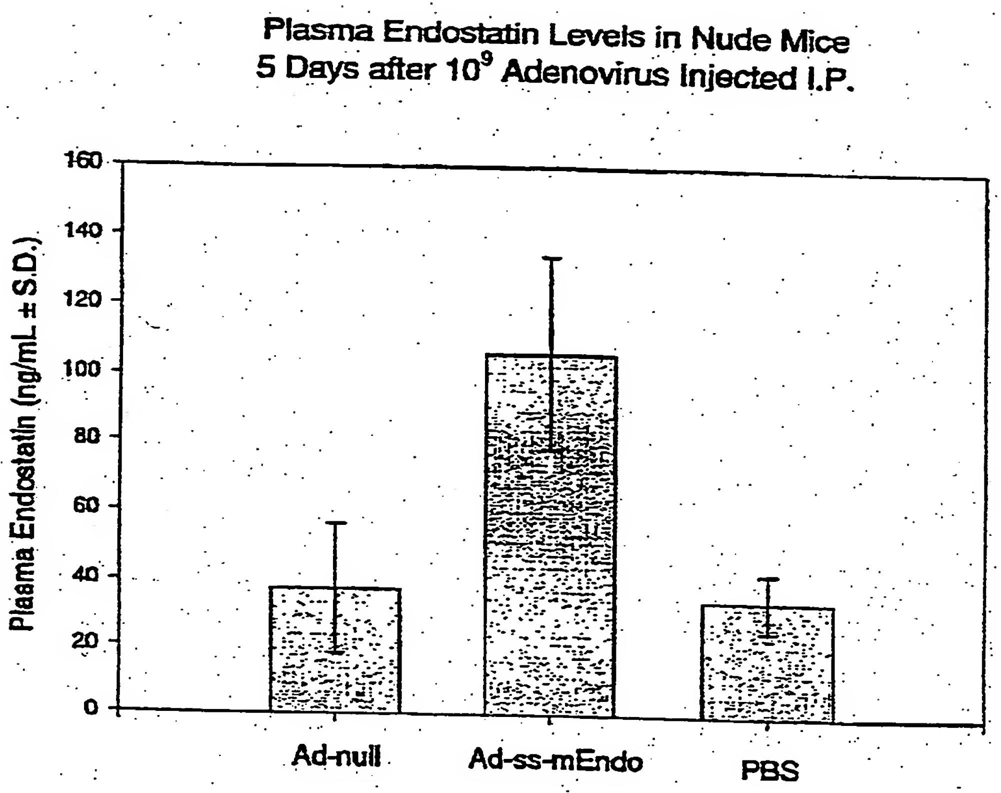


FIG. 6

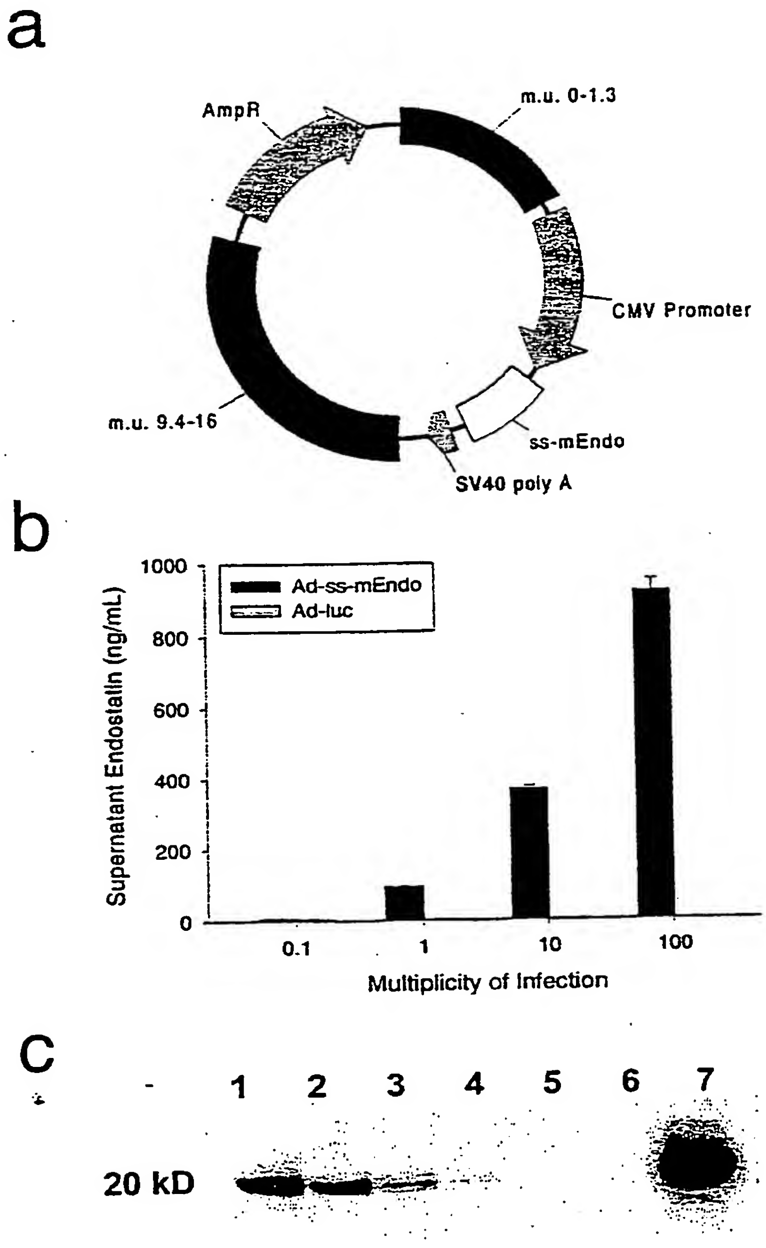


BEST AVAILABLE COPY

FIG. 7



BEST AVAILABLE COPY



FIGURES 8A - 8C

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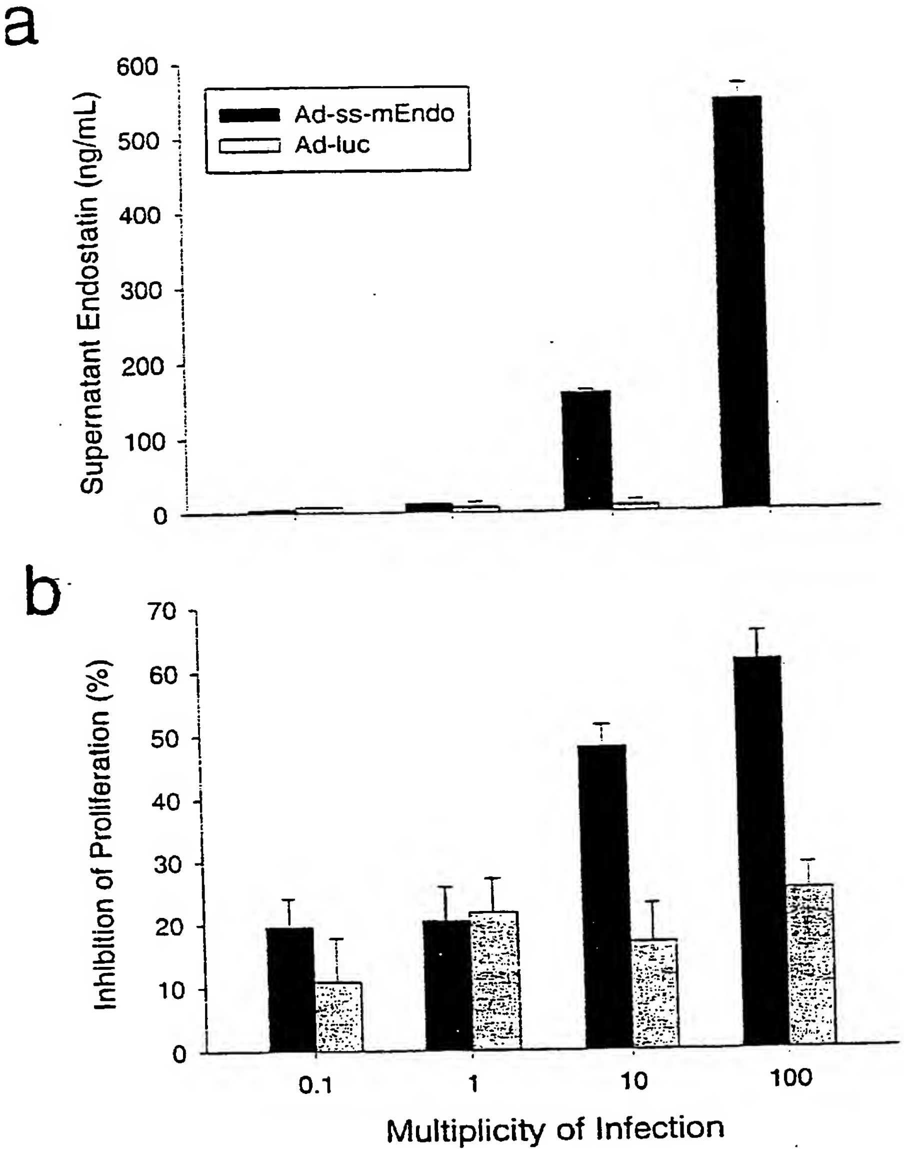

FIGURES 9A & 9B

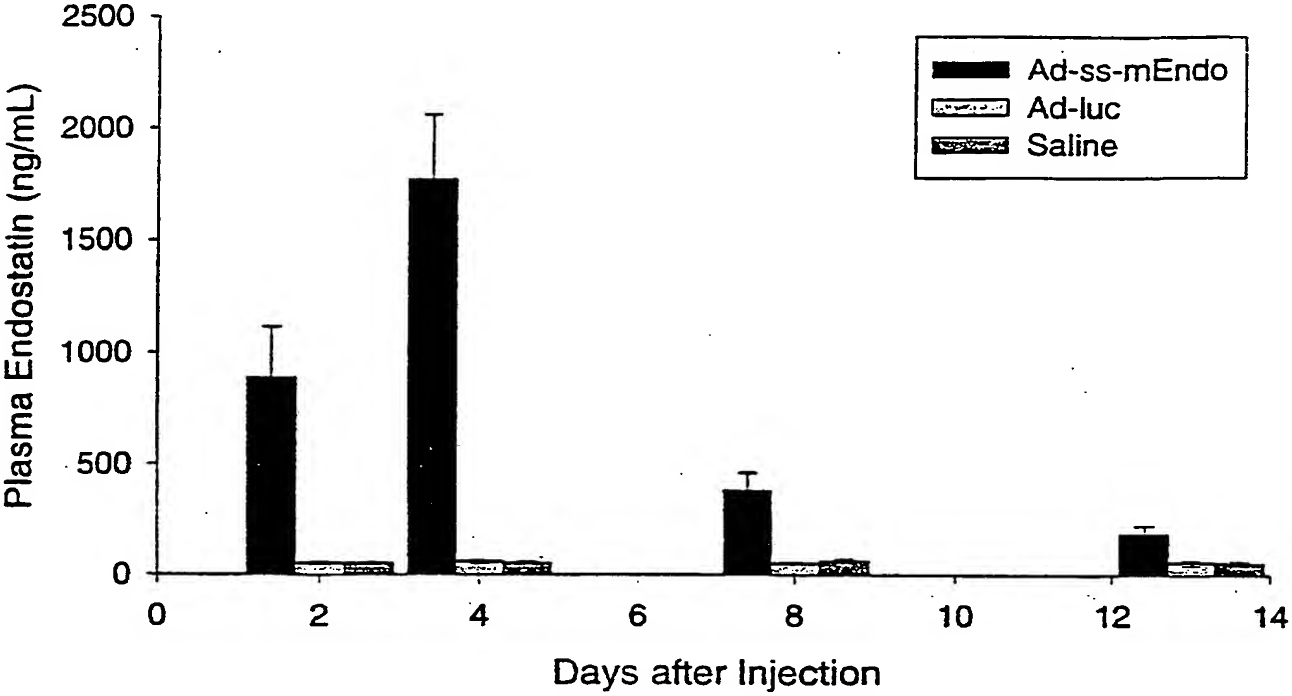
Plasma Endostatin (ng/mL)
2500
2000
1500
1000
500
0
0
2
4
6
8
10
12
14
Days after Injection
Ad-ss-mEndo
Ad-luc
Saline

FIGURE 10

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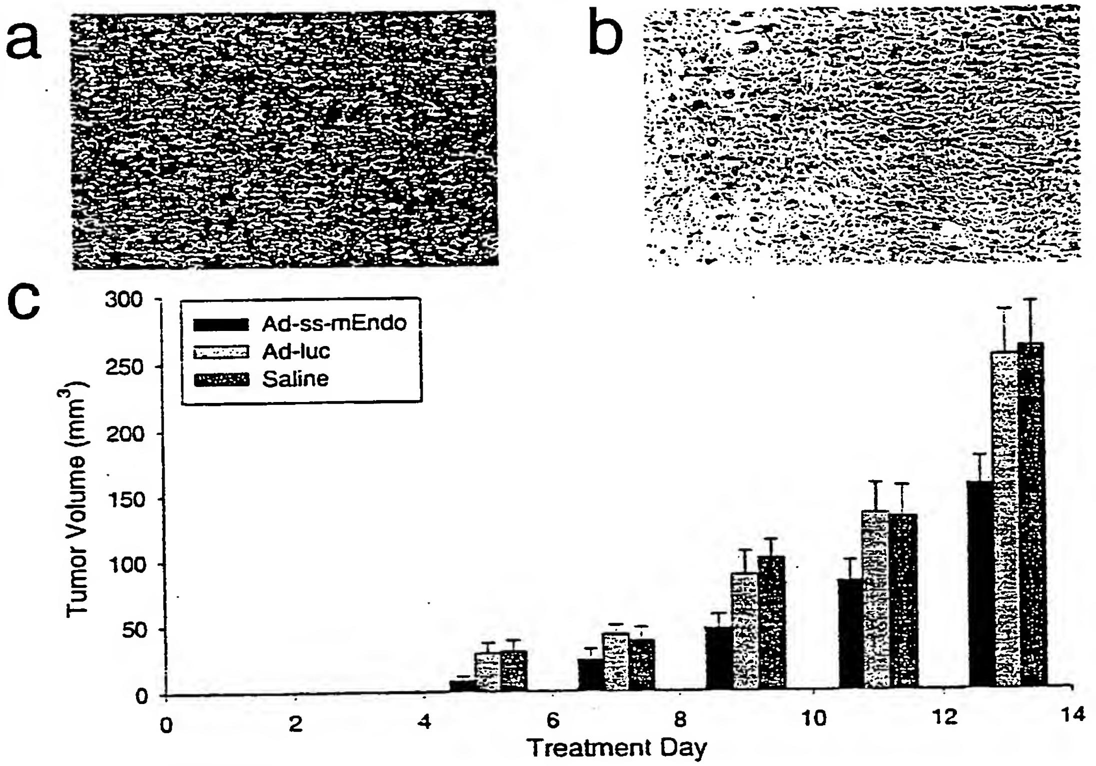

FIGURES 11A THROUGH 11C

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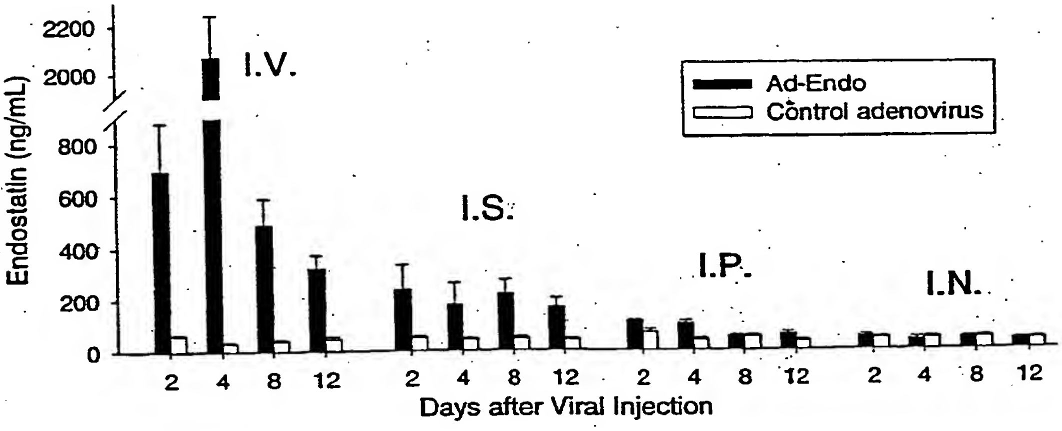

FIGURE 12

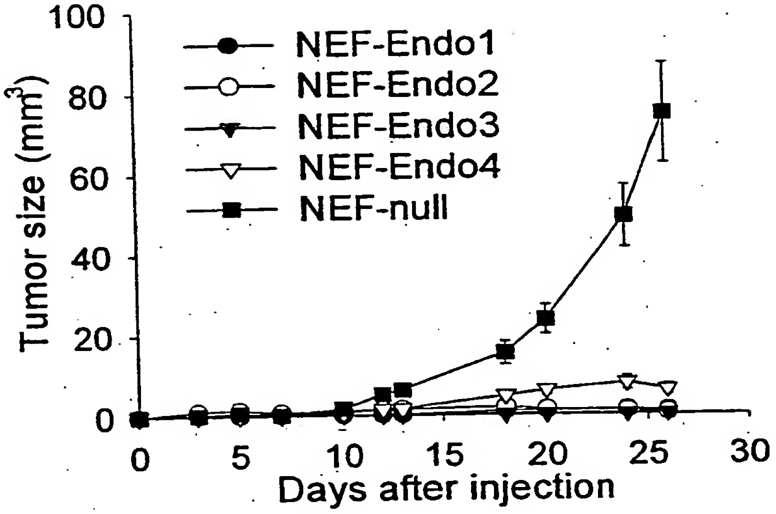
100
80
60
40
20
0
Tumor size (mm^3)
NEF-Endo1
NEF-Endo2
NEF-Endo3
NEF-Endo4
NEF-null
0
5
10
15
20
25
30
Days after injection

FIGURE 13